

## IN THE CLAIMS

1. (Currently amended) A medical electrical lead, comprising:
  - a first electrode including a channel extending therethrough;
  - a second electrode positioned distal to the first electrode;
  - a first cable conductor including a first portion terminated in a first end and a second portion extending proximally from the first portion; the first portion of the first cable conductor extending through the channel of the first electrode and the first end of the first cable conductor coupled to the second electrode; ~~and~~
  - a second cable conductor insulated from the first cable conductor, wound about the second portion of the first cable conductor and including a first end coupled to the first electrode; and
  - a plurality of guides positioned along the second portion of the first cable, each of the plurality of guides includes a channel.
2. (Original) The medical electrical lead of claim 1, wherein the second portion of the first conductor is wound about the second cable conductor.
3. (Currently amended) The medical electrical lead of claim 1, wherein a one or both of the first cable conductor and the second cable conductor further includes a bundle of wire strands, the bundle of wire strands including a core wire strand and a plurality of peripheral wire strands wound about the core wire strand.
4. (Currently amended) The medical electrical lead of claim 3, wherein a one or more of wire strands of the bundle of wire strands includes a relatively low resistance core.
5. (Original) The medical electrical lead of claim 3, wherein the one or both of the first cable conductor and the second cable conductor further includes a

plurality of peripheral bundles of wire strands wound about the bundle of wire strands; each of peripheral bundles of wire strands including a core wire strand and a plurality of peripheral wire strands wound about the core wire strand.

6. (Original) The medical electrical lead of claim 3, wherein the one or both of the first cable conductor and the second cable conductor further includes an insulative coating formed about the bundle of wire strands.

7. (Currently amended) The medical electrical lead of claim 1, further comprising a the plurality of guides positioned along the second portion of the first cable providing an interface between the second cable and the first cable.

8. (Currently amended) The medical electrical lead of claim 7, ~~wherein each of the plurality of guides includes a channel in which~~ the second portion of the first cable passes through the channel.

9. (Original) The medical electrical lead of claim 8, wherein each of the plurality of guides further includes a second channel in which the second cable passes.

10. (Original) The medical electrical lead of claim 8, wherein the channel of each of the plurality of guides includes a lubricious surface interfacing with the first cable.

11. (Currently amended) ~~The medical electrical lead of claim 7,~~ A medical electrical lead, comprising:

a first electrode including a channel extending therethrough;

a second electrode positioned distal to the first electrode;

a first cable conductor including a first portion terminated in a first end and a second portion extending proximally from the first portion; the first portion of the

first cable conductor extending through the channel of the first electrode and the first end of the first cable conductor coupled to the second electrode; and  
a second cable conductor insulated from the first cable conductor, wound about the second portion of the first cable conductor and including a first end coupled to the first electrode;

the plurality of guides positioned along the second portion of the first cable providing an interface between the second cable and the first cable  
wherein each of the plurality of guides is affixed to the first cable.

12. (Currently amended) ~~The medical electrical lead of claim 7,~~ A medical electrical lead, comprising:

a first electrode including a channel extending therethrough;  
a second electrode positioned distal to the first electrode;  
a first cable conductor including a first portion terminated in a first end and a second portion extending proximally from the first portion; the first portion of the first cable conductor extending through the channel of the first electrode and the first end of the first cable conductor coupled to the second electrode; and  
a second cable conductor insulated from the first cable conductor, wound about the second portion of the first cable conductor and including a first end coupled to the first electrode;

the plurality of guides positioned along the second portion of the first cable providing an interface between the second cable and the first cable  
wherein each of the plurality of guides is affixed to the second cable.

13. (Original) The medical electrical lead of claim 1, wherein the channel of the first electrode includes an insulative lining.

14. (Original) The medical electrical lead of claim 1, further comprising:  
a connector contact including a channel extending therethrough;  
a connector terminal pin; and

wherein the first cable conductor further includes a third portion extending proximally from the second portion and terminated by a second end; the third portion passing through the channel of the connector contact and the second end coupled to the connector terminal pin; and

the second cable conductor further includes a second end coupled to the connector contact.

15. (Currently amended) ~~The medical electrical lead of claim 14, further comprising—~~A medical electrical lead comprising:

a first electrode including a channel extending therethrough;

a second electrode positioned distal to the first electrode;

a first cable conductor including a first portion terminated in a first end and a second portion extending proximally from the first portion; the first portion of the first cable conductor extending through the channel of the first electrode and the first end of the first cable conductor coupled to the second electrode; and  
a second cable conductor insulated from the first cable conductor, wound about the second portion of the first cable conductor and including a first end coupled to the first electrode;

a connector contact including a channel extending therethrough;

a connector terminal pin;

wherein the first cable conductor further includes a third portion extending proximally from the second portion and terminated by a second end; the third portion passing through the channel of the connector contact and the second end coupled to the connector terminal pin;

the second cable conductor further includes a second end coupled to the connector contact; and

a plurality of guides positioned along the second portion of the first cable providing an interface between the second cable and the first cable.

16. (Original) The medical electrical lead of claim 15, wherein each of the plurality of guides includes a channel in which the second portion of the first cable passes.

17. (Original) The medical electrical lead of claim 16, wherein the channel of each of the plurality of guides includes a lubricious surface interfacing with the first cable.

18. (Original) The medical electrical lead of claim 17, wherein the second electrode forms an extendable/retractable helix being extended and retracted by the first cable via rotation of the connector terminal pin.